PAT-NO: JP362046863A

DOCUMENT-IDENTIFIER: JP 62046863 A

TITLE: SORTING/STACKING DEVICE FOR SHEET MATERIAL

PUBN-DATE: February 28, 1987

INVENTOR-INFORMATION:
NAME
SAITO, JUN

ASSIGNEE-INFORMATION:

NAME	COUNTRY
CANON INC	N/A

APPL-NO: JP60185170

APPL-DATE: August 23, 1985

INT-CL (IPC): B65H033/08, B65H031/34

US-CL-CURRENT: 271/207, 271/220

ABSTRACT:

PURPOSE: To clarify the boundary of sorted sheet materials and improve alignment by displacing discharged sheet materials on one side, providing the end position restricting means of sheet materials on that side, and releasing this restricting means while a tray is being moved to the right of left.

CONSTITUTION: When discharged sheets are to be stacked toward the arrow A direction of a tray 13, a motor 35 is activated, a cam plate 40 is rotated in

the arrow B direction, the tray 13 is moved in the arrow C direction, a cam section 40a activates a microswitch 41, and the tray 13 is most moved in the arrow C direction and is positioned when the motor 35 is stopped. On the other hand, a discharging roller 19a is large in diameter and generates a peripheral speed difference, a sheet skews and is rotates in the arrow E direction when it is returned in the arrow D direction, then it hits a restricting member 8 and is aligned. When sheets I of the predetermined job unit have been stacked and a solenoid 43 is energized before the tray 13 is moved, a shaft 46 is rotated in the arrow F direction, and a lever 48 is pushed up in the arrow F direction and removed from the stacked sheets I.

PAT-NO: JP362046862A

DOCUMENT-IDENTIFIER: JP 62046862 A

TITLE: SORTING/STACKING DEVICE FOR SHEET MATERIAL

PUBN-DATE: February 28, 1987

INVENTOR-INFORMATION:
NAME
SAITO, JUN

ASSIGNEE-INFORMATION:
NAME COUNTRY
CANON INC N/A

APPL-NO: JP60185169

APPL-DATE: August 23, 1985

INT-CL (IPC): B65H033/08, B65H031/34

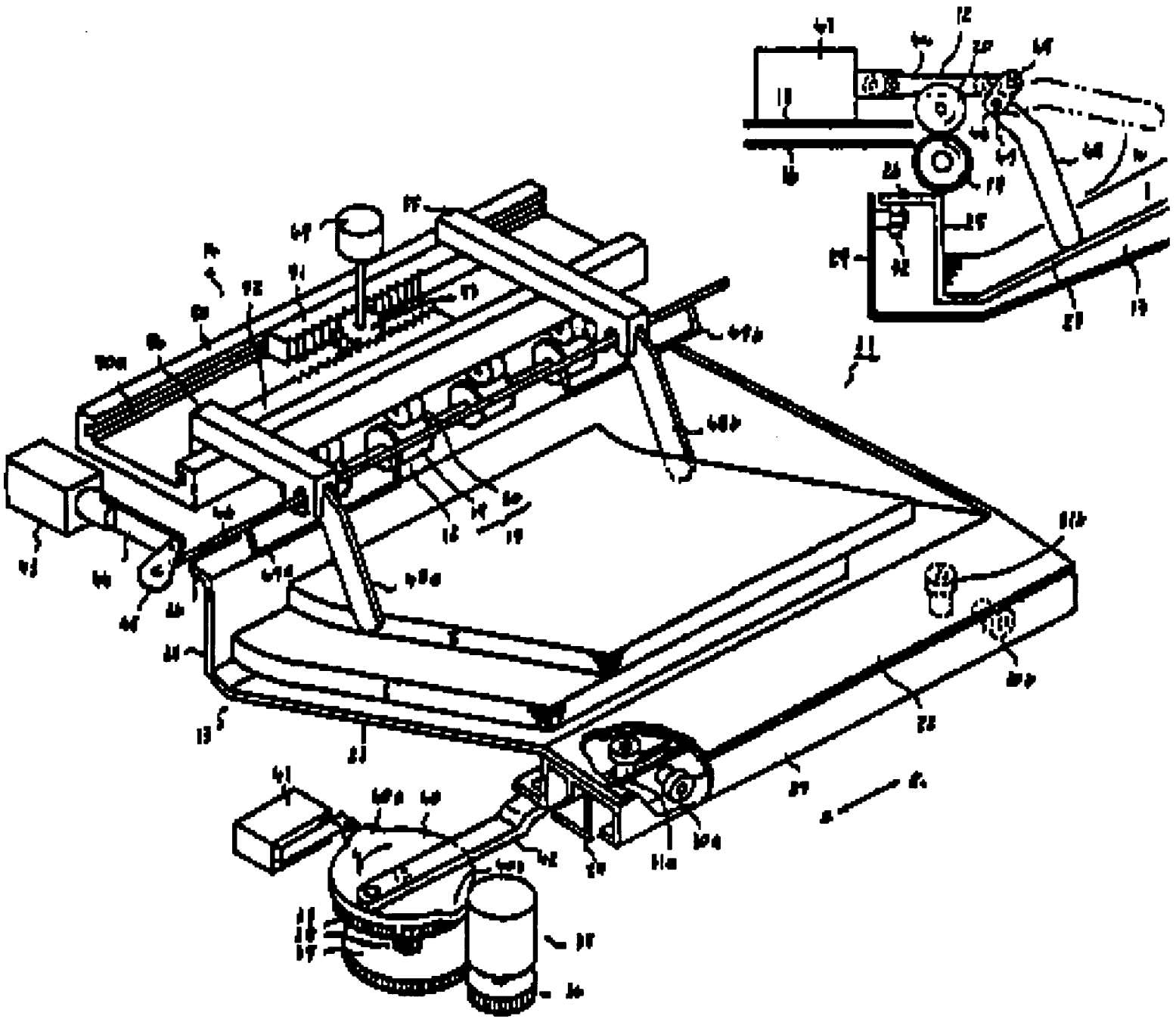
US-CL-CURRENT: 271/223

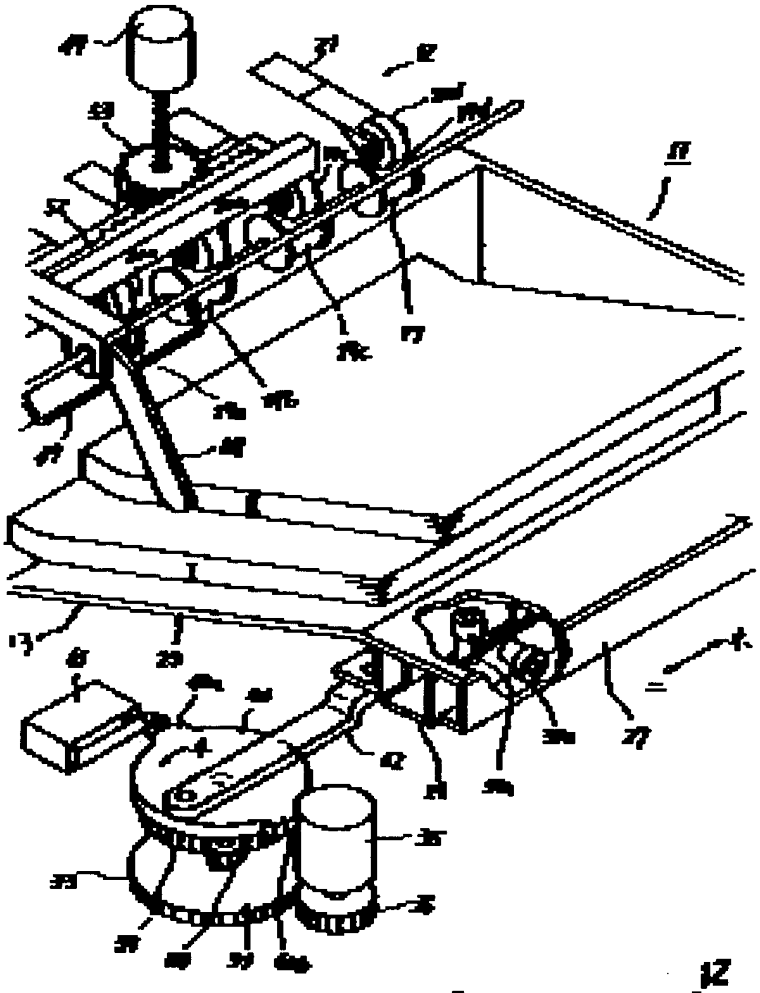
ABSTRACT:

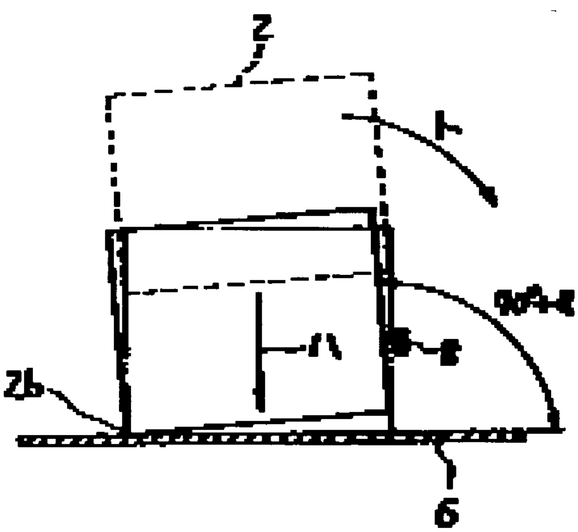
PURPOSE: To clarify the sorting boundary for each job by releasing a member restricting the width of sheet materials so that sheet materials can be aligned at each shift position and stacked without being disturbed when a tray is shifted to the right or left.

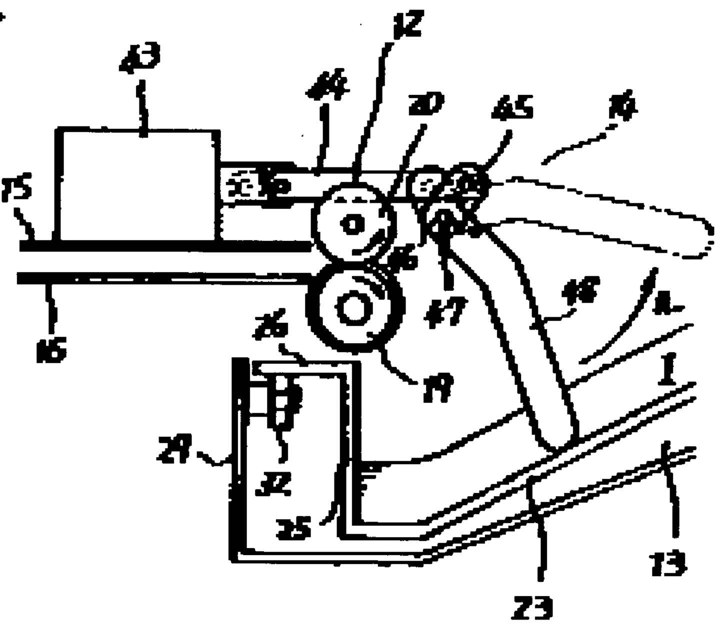
CONSTITUTION: When discharged sheets are to be stacked toward the arrow A direction of a tray 13, a motor 35 is activated, a cam plate 40 is rotated in the arrow B direction via a rotary gear, the tray 13 is

moved in the arrow C direction by an arm member 42. When sheets II of the predetermined job unit have been stacked on the tray 13, the motor 35 is again operated and continues its rotation until a cam section 40b activates a microswitch 41, the tray 13 is moved in the arrow A direction and is positioned when the motor 35 is stopped.
After sheets I of the predetermined job unit have been stacked and before the tray 13 is moved, a solenoid 43 is energized, a shaft 46 is rotated in the arrow D direction, and a lever 48 is pushed up in the arrow D direction and removed from the stacked sheets I.




41
11
27
35
13
29


2
26
8
6


43
44
12
20
45
14
15
16
46
47
48
19
26
24
32
25
23
13
I